

Application No. : 09/852,188

Docket No.: JCLA6418

In The Claims:

Claim 1. (original) A mass-production packaging means suitable for mass-production packaging of an organic luminescent display, comprising at least:

a panel feeding system used to send an organic luminescent display panel into the mass-production packaging means;

an UV pretreatment system used to clean the surface of the organic luminescent display panel;

a sizing system used to apply the cleaned surface of the organic electroluminescent display panel with a molding compound;

a lid feeding system used to send a lid into the mass-production packaging means;

an alignment/lamination system used to align the lid with the organic electroluminescent display panel and perform the lamination;

an UV irradiation system used to provide UV light to cure the molding compound;

a product output system used to convey one of the packaged products outside of the packaging means;

a transportation system used to convey the organic electroluminescent display panel to the panel feeding system, the UV pretreatment system, the sizing system, the lid feeding system, the alignment/lamination system, the UV irradiation system and the product output system in a continuous way; and

an atmosphere control system used to control water vapor and oxygen content in the packaging means.

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Claim 2. (original) The mass-production packaging means of claim 1, wherein the materials for the organic electroluminescent display panel and for the lid are chosen from a group consisting of glass, plastic, acrylic, polymer and metal.

Claim 3. (original) The mass-production packaging means of claim 1, wherein the transportation system is a conveying band or an automatic arm.

Claim 4. (original) The mass-production packaging means of claim 1, wherein the UV pretreatment system includes a continuous wave UV system or an UV laser system.

Claim 5. (currently amended) The mass-production packaging means of claim 4, wherein the UV pretreatment system provide UV laser by the UV laser system for scanning the organic electroluminescent display panel in X and Y directions. ~~includes the UV laser system and serves to~~

~~provide UV laser by the UV laser system; and~~

~~scan the organic electroluminescent display panel in X and Y directions with the UV laser.~~

Claim 6. (currently amended) The mass-production packaging means of claim 4, wherein the UV pretreatment system provide UV laser by the UV laser system for scanning organic electroluminescent display panel at constant intervals with the UV laser when the organic electroluminescent display panel is moved in X and Y directions.

~~includes the UV laser system and serves to~~

~~provide UV laser by the UV laser system; and~~

~~scan organic electroluminescent display panel at constant intervals with the UV laser when the organic electroluminescent display panel is moved in X and Y directions.~~

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Claim 7. (currently amended) The mass-production packaging means of claim 1, wherein the sizing system comprises ~~is provided with~~ at least two sizing heads, the sizing heads are suitable for moving in X, Y and Z directions to apply the molding compound on the organic electroluminescent panel. ~~and serves to~~

~~fix and align the organic electroluminescent panel; and~~

~~move the heads in X, Y and Z directions to apply the molding compound.~~

Claim 8. (currently amended) The mass-production packaging means of claim 1, wherein the sizing system comprises ~~is provided with~~ at least two sizing heads, the sizing heads are suitable for moving only in Z direction to apply the molding compound on the organic electroluminescent panel, while the organic electroluminescent display panel is suitable for moving in X and Y directions. ~~and serves to~~

~~fix the sizing heads in X and Y directions and move only in Z direction; and~~

~~move the organic electroluminescent display panel in X and Y directions, and applying the molding compound is carried out by the sizing heads.~~

Claim 9. (original) The mass-production packaging means of claim 1, wherein the molding compound is an UV paste.

Claims 10-14 (cancelled)

Claim 15. (original) A mass-production packaging means suitable for mass-production packaging of an organic luminescent display, comprising at least :

a sizing system having at least two sizing heads, which are used to apply a molding compound on a surface of the organic electroluminescent display panel;

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an alignment/lamination/UV irradiation system used to align the lid with the organic electroluminescent display panel to perform lamination, and provide UV light to cure the molding compound;

a transportation system used to convey the organic electroluminescent display panel to the sizing system and the alignment/lamination/UV irradiation system in a continuous way; and

an atmosphere control system used to control water vapor and oxygen content in the packaging means.

Claim 16. (original) The mass-production packaging means of claim 15, wherein the materials for the organic electroluminescent display panel and the lid are chosen from a group consisting of glass, plastic, acrylic, polymer and metal.

Claim 17. (currently amended) The mass-production packaging means of claim 15, wherein the sizing heads are suitable for moving ~~moved~~ in X, Y and Z directions to apply the molding compound.

Claim 18. (currently amended) The mass-production packaging means of claim 15, wherein the sizing heads are fixed in X and Y directions and suitable for moving ~~moved~~ only in Z direction to apply the molding compound when the organic electroluminescent display panel is moved in X and Y directions.

Claim 19. (original) The mass-production packaging means of claim 15, wherein the molding compound is an UV paste.